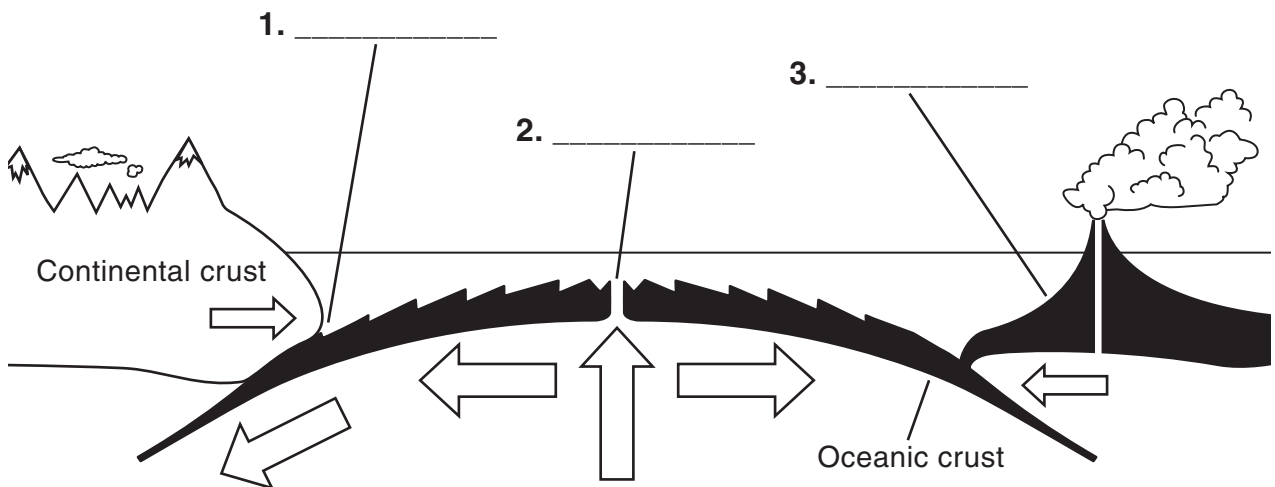


Overview

Plate Tectonics

Study the following diagram. Then label each part with the letter of the correct description below.

- A. A mid-ocean ridge forms whenever diverging plates continue to separate, creating a new ocean basin. As the rising magma cools, it forms new ocean crust.
- B. When an oceanic plate converges with a less dense continental plate, the denser oceanic plate sinks under the continental plate.
- C. When two oceanic plates converge, the denser plate is forced beneath the other plate and volcanic islands form above the sinking plate.



Directions: Circle the words in parentheses that best complete the sentences below.

- 4. (Fossils, Human bones), rocks, and climate provided Wegener with support for his continental drift theory.
- 5. The fact that the (youngest, oldest) rocks are located at the mid-ocean ridges is evidence for seafloor spreading.
- 6. The transfer of (solar, heat) energy inside Earth moves plates.